

MANUFACTURE OF HEAT INSULATING SHEET

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Abstract

PURPOSE: To obtain a highly utilizable heat-insulating sheet from waste heat-insulating materials by a simplified equipment in which the cut pieces of heat-insulating materials are closely arranged in large numbers on a sheet base material while being delivered by a conveyer.

CONSTITUTION: For example, large numbers of heat-insulating material pieces 2 (e.g., pieces of glass wool material, etc.) are supplied from a vibrating hopper 3 to a cutting conveyer 1, and then cut orderly into cut pieces 2' by means of a vertical cutting blade 4 and a cross cutting blade 5 while being delivered on the cutting conveyer. Then, the cut pieces 2' are closely arranged by a guide plate 6, sent out to an assembling conveyer 7, and bound with each other by being put in a sandwich state between sheet base materials 8 to obtain a heat-insulating sheet.

EFFECT: Material cost is not required and the incinerating cost of the waste materials can be reduced.

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